

# NASA TECH BRIEF

*Lyndon B. Johnson Space Center*



NASA Tech Briefs announce new technology derived from the U.S. space program. They are issued to encourage commercial application. Tech Briefs are available on a subscription basis from the National Technical Information Service, Springfield, Virginia 22151. Requests for individual copies or questions relating to the Tech Brief program may be directed to the Technology Utilization Office, NASA, Code KT, Washington, D.C. 20546.

## Automatic Marker for Photographic Film

### The problem:

Manually titling or marking large quantities of continuous rolls of 70-mm, 5-in. (127-mm), and 9-in. (229-mm) photographic films is a time consuming and expensive operation.

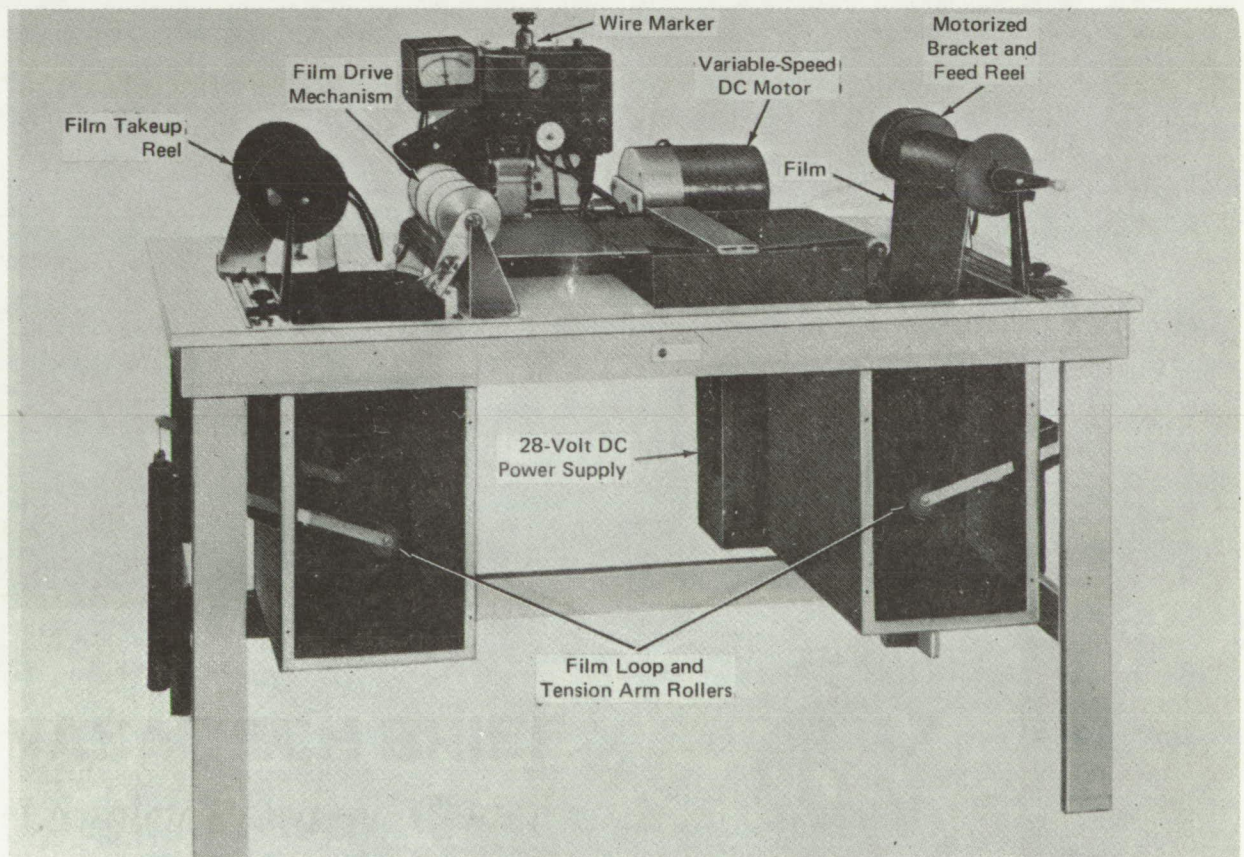
### The solution:

A commercially-produced wire-marking machine has been modified to title or mark film rolls automatically.

### How it's done:

A wire-marking machine (Kingsley KWE7 or its equivalent) is used with a film drive mechanism. The mechanism is powered with a variable-speed, 28-volt dc motor.

The film roll is placed on a feed roll driven by a motorized bracket and feed reel. Each frame moving through the wire-marking machine is marked or titled. Next, the film is picked up by a takeup reel. Throughout the process,



Automatic Film Marker and Titler

(continued overleaf)

film tension is maintained by tension arm rollers. Up to 40 frames per minute can be marked in this way, reducing the time and cost of the process. The machine can also be used to mark rolls of paper and plastics.

**Patent status:**

NASA has decided not to apply for a patent.

Source: N. M. Gabbard and W. M. Surrency  
Johnson Space Center  
(MSC-14705)

**Note:**

Requests for further information may be directed to:

Technology Utilization Officer  
Johnson Space Center  
Code AT3  
Houston, Texas 77058  
Reference: TSP74-10152